

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended): A reduced aerosol generating formulated personal care or cleaning product comprising a) 0.0001% to about [[5.0%]] 1.5% of [[a]] high molecular weight ~~polymer selected from~~ polyethylene oxide; ~~polyacrylamide, substituted acrylamides, and gums~~ and b) an enzyme; c) an enzyme protecting agent and d) one or more personal care or cleaning product components, wherein said ~~polymer~~ polyethylene oxide is an anti-misting agent and [[increases a]] the D_{v50} of the formulated personal care or cleaning product is increased by 10 - 200% over the corresponding non-formulated personal care or cleaning product.

Claim 2 (canceled)

Claim 3 (currently amended): The reduced aerosol generating formulated product of claim 1, wherein ~~the high molecular weight polymer is a~~ said polyethylene oxide ~~having~~ comprises a molecular weight from about ~~1 x 10⁶ to 3.0 x 10⁶~~ 0.8 x 10⁶ to 4 x 10⁶.

Claim 4 (canceled)

Claim 5 (currently amended): The reduced aerosol generating formulated product of claim 1, wherein the ~~personal care~~ product is a personal care product selected from the group consisting of a shower or bath gel, a facial cleaner, a lotion, a hair shampoo, and a bar or liquid soap.

Claim 6 (currently amended): The reduced aerosol generating formulated product of claim 1 wherein the product is a cleaning product [[is]] selected from the group consisting of a detergent, a hard surface cleaner, a prespotting cleaner, and a carpet cleaner.

Claim 7 (currently amended): The reduced aerosol generating formulated product of claim 1, wherein the D_{v50} of the formulated product is in the range of 55 μ m – [[200 μ m]] 900 μ m.

Claim 8 (original): The reduced aerosol generating formulated product of claim 1, wherein the D_{v50} of the formulated product is greater than 60 μ m.

Claim 9 (original): The reduced aerosol generating formulated product of claim 1, wherein the D_{v50} of the formulated product is greater than 100 μ m.

Claim 10 (canceled)

Claim 11 (currently amended): The reduced aerosol generating formulated product of claim 6, wherein the enzyme is selected from the group consisting of proteases a protease, amylases an amylase, cellulases a cellulase, oxidases an oxidase, and lipases a lipase.

Claim 12 (currently amended): A method of reducing aerosol generation from a personal care or cleaning product comprising incorporating into said product an aqueous composition comprising [[a]] high molecular weight polymer selected from polyethylene oxide, polyacrylamide, substituted acrylamides, and gums, the high molecular weight polymer having a molecular weight from about 0.8×10^6 to 4.0×10^7 4×10^6 , an enzyme, and an enzyme protecting agent, resulting in a formulated product, wherein [[a]] the D_{v50} of said formulated product is between 10 to 200% greater than the D_{v50} of the corresponding non-formulated personal care or cleaning product.

Claim 13 (currently amended): A method according to claim 12, wherein [[an]] said enzyme is incorporated into said formulated product either in combination with the high molecular weight polymer polyethylene oxide aqueous composition or separately from the high molecular weight polymer aqueous composition.

Claim 14 (currently amended): The method according to claim [[13]] 12, wherein the formulated product comprises about 0.0001% to about 5.0% of the enzyme concentration of the formulated product comprises about 0.0001% to about 5.0%.

Claim 15 (currently amended): The method according to claim 12, wherein the formulated product comprises from 0.0001% to about [[5.0%]] 1.5% of the polymer polyethylene oxide.

Claim 16 (currently amended): [[The]] A reduced aerosol generating formulation produced by the method of claim 12.

Claim 17 (currently amended): A method of decreasing enzyme exposure from a personal care or cleaning product comprising reformulating a personal care or cleaning product which includes one or more enzymes with an aqueous composition which comprises a polyethylene oxide polymer having a molecular weight of about 0.8×10^6 to 4.0×10^6 , ~~or a polyacrylamide polymer having a molecular weight of about 2.5×10^7 to about 4.0×10^7~~ wherein said polymer is an anti-misting agent, and an enzyme protecting agent.

Claim 18 (currently amended): The method according to claim 17, wherein the product is a personal care product selected from the group consisting of [[is]] a shower or bath gel, a facial cleaner, a lotion, a hair shampoo, [or] and a bar or liquid soap.

Claim 19 (currently amended): The method according to claim 17, wherein the cleaning product is selected from the group consisting of a detergent, a hard surface cleaner, a pre-spotting cleaner, [or] and a carpet cleaner.

Claim 20 (original): The method according to claim 17, wherein the enzyme is a protease.

Claim 21 (currently amended): An aqueous anti-misting enzyme composition comprising

- a) from about 1×10^{-4} to [[5.0]] 1.5 wt% of ~~one or more water soluble~~ high molecular weight ~~polymers~~ polyethylene oxide; [[and]]
- b) from about 1×10^{-4} to 10 wt% of an effective amount of one or more enzymes; and
- c) an enzyme protecting agent.

Claim 22 (canceled)

Claim 23 (currently amended): The anti-misting enzyme composition of claim 21, wherein ~~the high molecular weight polymer is a~~ said polyethylene oxide having comprises a molecular weight from about ~~1 x 10⁶ to 3.0 x 10⁶~~ 0.8 x 10⁶ to 4.0 x 10⁶ or a polyacrylamide having a molecular weight from about 2.5 x 10⁷ to 4.0 x 10⁷.

Claim 24 (original): The anti-misting enzyme composition of claim 21, wherein the composition is further incorporated into a personal care product.

Claim 25 (currently amended): The anti-misting enzyme composition of claim 24, wherein the personal care product is selected from the group consisting of a shower or bath ~~gels~~ gel, a facial cleaner ~~cleaners~~, ~~lotions~~ a lotion, a hair shampoo ~~shampoos~~, a bar ~~soaps~~ soap, and a liquid ~~soaps~~ soap.

Claim 26 (original): The anti-misting enzyme composition of claim 21, wherein the composition is further incorporated into a cleaning product.

Claim 27 (currently amended): The anti-misting enzyme composition of claim 26, wherein the cleaning product is selected from the group consisting of a ~~detergents~~ detergent, a hard surface ~~cleaners~~ cleaner, a pre-spotting ~~cleaners~~ cleaner, and a carpet ~~cleaners~~ cleaner.

Claim 28 (canceled)

Claim 29 (currently amended): The anti-misting enzyme composition of claim [[28]] 21 wherein the enzyme stabilizer protecting agent is propylene glycol.

Claim 30 (currently amended): A method for producing a reduced aerosol generating composition comprising combining 0.0001% to about 5.0% of [[a]] high molecular weight polymer having polyethylene oxide comprising a molecular weight of about 0.8×10^6 to about 4×10^7 4×10^6 with an enzyme and an enzyme protecting agent to obtain a polymer/enzyme composition having reduced aerosol generation in comparison with a composition that does not comprise said polyethylene oxide, wherein the reduced aerosol generation reduces enzyme exposure.

Claim 31 (currently amended): The method of claim 30, wherein the enzyme protecting agent is a water miscible nonsolvent, and wherein the method further comprising comprises dispersing the polymer polyethylene oxide in [[a]] the water miscible nonsolvent prior to combining the polymer polyethylene oxide with the enzyme.

Claim 32 (original): The method of claim 30 wherein the combining is conducted at about 35° C.

Claim 33 (currently amended): The method of claim 30 further comprising:

- a) incorporating the polymer/enzyme reduced aerosol generating composition with into a personal care or cleaning product composition; and
- b) obtaining a formulated personal care or cleaning product composition wherein when said formulated product is used in a desired environment the generation of aerosols produced by the formulated product is reduced compared to a corresponding non-formulated product.

Claim 34 (currently amended): A method of reducing aerosol generation of [[a]] an enzyme-containing personal care or cleaning formulation comprising

reformulating a ~~personal care formulation or cleaning~~ said formulation with a composition comprising a polyethylene oxide polymer having a molecular weight from about 0.8×10^6 to 4.0×10^6 and comprising from about 0.0001% to about [[5.0%]] 1.5% of the formulation, and an enzyme protecting agent, wherein the addition of the polymer increases [[a]] D_{v50} of the personal care formulation by 10 - 200% resulting in a reduced aerosol generation from the personal care or cleaning formulation.

Claim 35 (canceled)

Claim 36 (currently amended): A shower gel comprising a ~~high molecular weight polyethylene oxide~~ polymer wherein said polymer has a molecular weight from about 0.8×10^6 to 4.0×10^7 4×10^6 and comprises from about 0.0001% to about [[5.0%]] 1.5% of the shower gel; a protease comprising about 0.0001% to about 10% of the shower gel; an enzyme protecting agent; and one or more further personal care product ingredients wherein said shower gel has a D_{v50} that is 10 - 200% greater than a corresponding shower gel lacking the high molecular weight polyethylene oxide polymer.

Claim 37 (new): A method according to claim 12, wherein said enzyme is incorporated into said formulated product separately from the high molecular weight polyethylene oxide aqueous composition.

Claim 38 (new): A method according to claim 1, wherein the enzyme protecting agent is propylene glycol.

Claim 39 (new): A method according to claim 12, wherein the enzyme protecting agent is propylene glycol.

Claim 40 (new): A method according to claim 17, wherein the enzyme protecting agent is propylene glycol.

Claim 41 (new): A method according to claim 30, wherein the enzyme protecting agent is propylene glycol.

Claim 42 (new): A method according to claim 36, wherein the enzyme protecting agent is propylene glycol.